

THE FARMING WORLD.

THE WOOLLY-APHIS.

Different Modes of Killing This Very Destructive Insect.

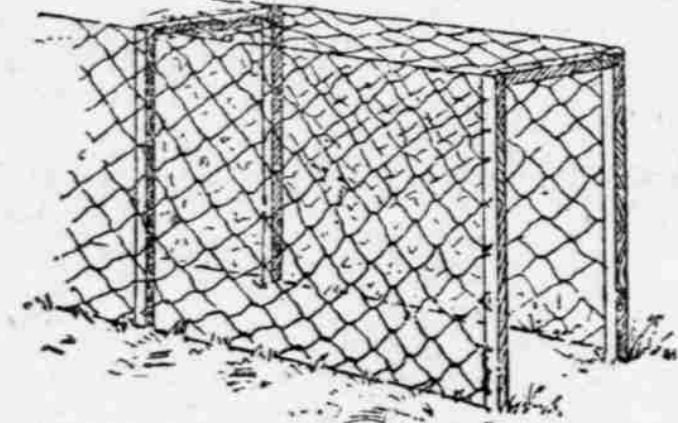
The Missouri experiment station has made extensive experiments with different methods of killing the woolly-aphis or apple-root plant louse. Following is a summary of the discoveries made:

The limb form of this insect can be readily killed by one or two thorough sprayings with strong kerosene emulsion. Apple seedlings, buds and grafts should be planted in a small trench filled with finely powdered tobacco or tobacco dust and lightly covered with earth. This will keep the woolly-aphis away. Apple nursery stock should have a liberal supply of tobacco dust applied to the roots every spring in order to kill the woolly-aphis and prevent it from establishing itself there. It should be applied by removing some of the earth from around the roots, filling the excavation with tobacco dust, and lightly covering it with earth. Newly cleared timber land should be cultivated in corn or other crop for two years before the apple trees are set out, in order to kill the woolly-aphis that may be on the roots of the wild crab and allied trees. Apple nursery stock should have the roots cleaned and dipped for a minute in strong kerosene emulsion, in order to kill the woolly-aphis that may be there. In planting apple trees tobacco dust should be freely used among and over all the roots, and close around the trunk, in order to kill and prevent the woolly-aphis from establishing itself there. Every spring, as soon as settled warm weather appears, each tree should have a liberal supply of tobacco dust applied to its roots by removing the earth from around the trunk for a distance of two feet and four inches in depth, evenly filling this with the tobacco dust and covering it with earth. The root form of the woolly-aphis may be cheaply and easily killed and kept away from an apple tree by the liberal use of tobacco dust. About five or six pounds of this substance should be applied as above directed to the roots of every infested tree, and half this amount should be applied in a similar manner each succeeding spring, costing approximately two cents per tree per year. This insect may also be killed by injecting one fluid ounce of carbon bisulphide two feet away from the trunk on two sides of the tree, but the use of this substance is not advised except in extreme cases, since a little carelessness may injure the tree, and it is always necessary immediately to treat the trees with tobacco dust in order to keep the insect away.—Country Gentleman.

QUICKLY-MADE HEDGE.

Woodbine Grown Over a Frame Gives Satisfactory Results.

Making a hedge with ordinary hedge plants requires a good many years of waiting before the full realization of one's anticipations. Many are deterred from starting hedges because of this long period of waiting. The accompanying illustration shows a "short cut" to a remarkably handsome hedge. A "form" is made of wire netting, the sides and top also being covered. Along the base on either side of this



TO MAKE A HEDGE QUICKLY.

quickly-growing vines are planted, which soon cover the wire with a mass of green that becomes more and more dense and beautiful each succeeding year if the proper sort of vines is used. The "proper sort" in the writer's estimation, would include our common woodbine. It is a quick grower and its foliage is remarkably handsome, both in the green state and when touched by autumn frosts. There are many other vines, however, that would answer admirably for this purpose, so that all tastes can be suited. Such a hedge needs only such annual clippings as will suffice to keep the vines growing evenly all over the wire—as thickly in one place as in another. Cedar stakes should be used and carefully set in making such a hedge, since once made and covered with a black growth of vines, it will be inconvenient to make inferior repairs, though stakes can, of course, be driven down through the netting if necessary.—Webb Donnell, in American Gardening.

DAIRY SUGGESTIONS.

Now for cleanliness in the dairy. North Dakota is forging ahead as a dairy state.

Corn alone is not a proper milk-producing food.

The state of Washington has a fine dairy association.

Get a separator if you mean to make the dairy profitable.

Wherever alfalfa will grow is the place for the dairy and swine.

New forage crops come and go, but clover, blue grass and timothy stay.

Some people have not the "talent" for making good butter and ought not to try.

A good way to prevent wooden butter bowls from cracking: Bury the new bowl several inches deep in a salt barrel and allow to remain for two weeks.—Western Plowman.

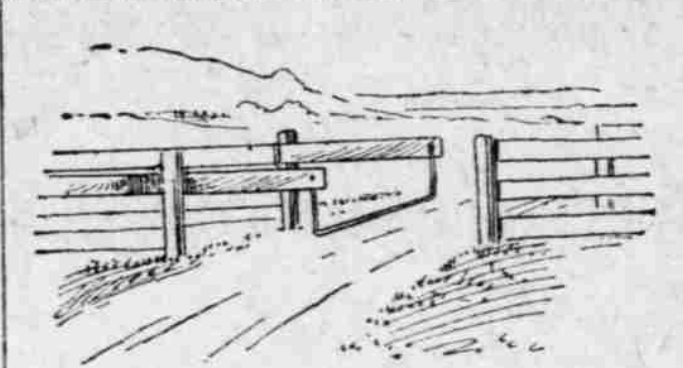
Every Little Helps.

Turn the sheep in the cornfield for a day or two after you get it planted. It will relieve the constant strain on their pasture, and they will give the weeds in the fence rows a big back set.—National Stockman.

NEAT CONTRIVANCE.

How to Drive Pasturing Cattle Across a Highway.

Many farms are so situated that the cattle must be driven across a highway to pasture. This almost always affords trouble. The cattle will break away up and down the highway to feed by the roadside, instead of crossing the road directly from the pasture gate to the lane leading to the barn. A device is shown herewith that may prove of assistance in such cases. A narrow lane



THIS DEVICE CONTROLS STOCK.

is built on each side of the road, extending well up to the carriage track but not close enough, of course, to prove any inconvenience to travelers. Two long bars or thin boards are then fitted to slide across the highway when the cattle are to be driven across, and then back again, out of the way of travel. A bent rod of iron connects the two ends of the bars, so that both can be slipped across the road at once, the bend in the rod permitting it to rest upon the ground so that the cattle can pass over it. To operate this takes but a moment's time.—Orange Judd Farmer.

COMMON SENSE VIEW.

Turning Corn Stalks into Butter is a Paying Occupation.

Some eminent professor has been telling of the increased value the corn stalk will have after certain of its properties become more widely known. The pith, it is said, makes the best lining for a battle ship that so far has been found. It is greatly compressed, and then placed next to the armor of the ship, and when an unfriendly cannon ball goes through the armor the pith instantly expands to its original size, and thereby fills up the hole, preventing any water from entering the ship. Then smokeless powder may be made from the stalk at a cost far below what it now takes to produce the stuff. When these and other properties of the corn stalk become more widely known, it is stated, the farmer will get as much for the corn stalk as he does for the corn (which is not saying much just about now). But in spite of this new and prosperous future thrust upon the corn stalk we are of the opinion that its most profitable use is to put it into a silo, and with bran or linseed meal turn it into butter. And we are reasonably sure that if good butter is made from it it will pay better than to turn it into a contrivance for aiding in the killing of human beings.—National Stockman.

Keep the Milk Cans Clean.

If your washed milk cans smell when closed a few hours they are not clean enough for milk. New cans, pails and strainers should be carefully examined for irregular creases in the soldering; a little more solder will fill these places and make the can perfectly sweet inside. In cleaning cans where no boiler exists for steaming them, wash first in cold water then in hot water and sal soda. Finally half fill them with clean, scalding water, put on the cover tightly for a few minutes, and they will steam themselves completely. By using the hot water that steams our can for the sal soda water for the next one, a limited amount of hot water will thoroughly purify a goodly number of cans.—Dakota Field and Farm.

Nature's Wonderful Laws.

The growing of a berry calls into action some of the most wonderful laws of nature. In the growth of plants we find these laws in perfection. We also find in various forms a complete supply of every element required for the full development of both plant and fruit. Nature gives us all these products without stint. She simply asks in return that we assist her in some of the smaller details of the work. She asks that the soil be made rich and well prepared. That the plants be of good quality and carefully set out. That frequent hoeing and cultivation be given. That plants be protected from winter frosts and summer drought. That no insect pest or fungus disease find an abiding place with them.—M. A. Thayer.

Varying Quality of Milk.

Why the milk of the same cow on the same feed varies in quality from one day to another I do not know. I have investigated the matter to the extent of about 20,000 tests with our cows. I find that in the same stable, with the same feed, with the same conditions in every way as nearly as I can judge, the milk of one cow will vary as much as 1 1/2 per cent. of fat. I doubt that we shall ever learn the reason or reasons. It seems to be something relating to the principle of life, and too subtle for us to discern or comprehend. It is with a man as with a cow—some days he can do more work than others, but he cannot explain the reason.—Prof. J. W. Robertson.

Regular Supply of Lettuce.

For a regular supply of lettuce during the hot months, sow thinly where they are to remain, in drills 12 to 14 inches apart, plants to be gradually thinned out to six or eight inches apart. This method allows the tap root to penetrate undisturbed into the soil, thus securing moisture and coolness, and does not induce surface roots, and also lessens their tendency to bolt to seed in hot dry weather—an advantage worth securing. Golden Queen, Big Boston and Trianon Cos. are excellent varieties for general use.—American Gardening.

Gravel Roads for Iowa.

A writer in the Des Moines (Ia.) Farmer's Tribune urges the superiority of gravel roads for that state. His reason is principally the trifling cost of the gravel as compared with the cost of stone necessary for a macadam road.

VERY STRANGE TENANTS.

Wild Beasts Take Up Their Abode in a Californian's Home.

Hears Strange Noises in Cellar and Investigation Reveals Family of Mountain Lions—Saves the Four Cubs Alive.

The cellar of the house inhabited by human beings is a strange place for wild beasts to make their homes, but it happened far back in the hills near Sunol, Alameda county, Cal., where Antonio Nunez, a farmer, lives with his family. Antonio is a thrifty and industrious man and has prospered. Two weeks ago he moved from his old home into another house that had not yet been occupied. For several days after Antonio and his family moved into their new home they heard strange sounds coming apparently from the cellar. As Antonio was busy with his farm work and those at the house were engaged in setting things to rights, no effort was made to ascertain the cause of the sounds. But when day after day passed and the noise from the cellar did not cease Nunez determined to make an investigation. Though courageous, Antonio is discreet and he called in a few friends to his assistance. Armed with shotguns they made their way into the cellar. They had hardly reached the side of the stone walled place when from the place beneath the stairway there bounded a splendid specimen of California lioness. Before a shot could be fired the animal escaped through the open door.

A second later and the lion, a big, ugly beast, made a jump for the stairway. But this time Antonio was ready and killed the animal at the first fire.

While his friends stood guard at the doorway Antonio made a search underneath the stairway and found four cubs. They were as comfortable as kittens, having an old coat and a quilt for a bed. Nunez took the biting and scratching cubs upstairs and for the rest of the day and far into the night waited for the lioness to return, but the brute did not come back. Nunez is going to try and raise the cubs. The dead lion measured six feet from tip to tip.

AN ENOCH ARDEN CASE.

Only in This Case Husband Insists on Having the Children.

In 1872 at Stevens Point, Wis., a Polish count married Annie Stenger, a farmer's daughter. Count Szevielski succeeded in gaining a living for his wife until three children were born, when he was called to Russia, upon the death of his father. There he inherited a fortune, but before he could settle his affairs and return to America he was imprisoned on the charge of being implicated with nihilists in promulgating seditious literature. He was released and imprisoned three times. He spent nearly eight years in a dungeon, and it was only after spending his entire fortune in fighting against transportation to Siberia that he was finally released and banished from the country.

During his imprisonment the count was not allowed to write home to America and his wife came to believe him dead. Five years ago he arrived in New York, where he learned that his wife had moved with her father and children to Minor county, S. D., and that only recently she had married James Phillips, a farmer. Szevielski remained in New York as a teacher of modern languages, gradually working his way upward, and finally entered the employ of the Lake Shore & Michigan Southern railway as traveling inspector, with headquarters at Chicago, where he now resides.

During the five years since his return to America, Szevielski has accumulated quite a snug fortune and is now trying to get possession of his children to give them an education. His former wife resents his interference, and, although the children desire to return to their father, they are prevented and constantly watched to prevent their running away.

Division Superintendent Ashbel B. Newell, of the Lake Shore & Michigan Southern, at St. Paul, stated that he knew of no employee who answered to the description of Count Szevielski and that the road had no traveling inspector by that name.

THE MARKETS.

CINCINNATI, May 27.			
LIVE STOCK—Cattle, common	2 75	3 40	
Select butchers	4 10	4 65	
CALVES—Fair to good	5 50	6 00	
HOGS—Common	3 00	3 45	
Mixed packers	3 30	3 60	
Light shippers	3 50	3 60	
SHEEP—Choice	5 75	4 15	
LAMBS—Spring	6 25	6 50	
FLOUR—Winter family	3 25	3 60	
GRAIN—Wheat—No. 2	88		
No. 3 red	88		
Corn—No. 2 mixed	25 1/2		
Oats—No. 2	22 1/2		
Rye—No. 2	37		
Barley—Prime to choice	11 75	12 00	
PRIME—No. 1 mixed	3 45		
Lard—Prime steam	6	8	
BUTTER—Choice dairy	17		
Prime to choice creamery	2 25	2 50	
APPLES—Per bbl.	1 00	1 10	
POTATOES—Per bbl.	1 00	1 10	
NEW YORK.			
FLOUR—Winter patent	4 65	4 50	
GRAIN—Wheat—No. 1 north	98 1/2	80 1/2	
No. 2 red	89 1/2	80 1/2	
CORN—No. 2 mixed	29 1/2	29 1/2	
DAYS—Mixed	8 75	9 00	
PORK—New mess	22	22	
LARD—Western	3 00	3 00	
CHICAGO.			
FLOUR—Winter patent	4 60	4 70	
GRAIN—Wheat—No. 2 red	85	87 1/2	
Corn—Mixed	71 1/2	71 1/2	
CORN—No. 2	23 1/2	24	
DAYS—No. 2	8 00	8 17 1/2	
LARD—Steam	3 55	3 57 1/2	
BALTIMORE.			
FLOUR—Family	3 90	4 25	
GRAIN—Wheat—No. 2	78	78 1/2	
Corn—Mixed	28 1/2	29 1/2	
Oats—No. 2 white	28	28 1/2	
LARD—Refined	11 50	11 50	
PORK—Mess	4 25	4 05	
CATTLE—First quality	4 30	4 35	
HOGS—Western	4 30	4 35	
INDIANAPOLIS.			
GRAIN—Wheat—No. 2	89		
Corn—No. 2 mixed	24		
Oats—No. 2 mixed	20		
LOUISVILLE.			
FLOUR—Winter patent	3 75	4 00	
GRAIN—Wheat—No. 2 red	82		
Corn—Mixed	71 1/2	71 1/2	
Oats—Mixed	22		
PORK—Mess	9 00		
LARD—Steam	3 57 1/2		

American Ingenuity.

American ingenuity has always been a wonder to foreigners. We know of no better illustration of it than is displayed in the manufacture of guns. For instance, the repeating Arms Co., New Haven, Ct., which retails for about \$30, will outfit a foreign hand made gun costing 20 times as much. This has been demonstrated time and time again. The leading shots of the country appreciate this and have put aside their expensive guns for the less costly but better shooting Winchester. The large illustrated Winchester catalogue is sent free upon request.

Thankfulness is always becoming. Most people have at least 100 reasons for being thankful to one for being sad and melancholy.—N. Y. Weekly.

How's This?

We offer One Hundred Dollars Reward for any case of Catarrh that can not be cured by Hall's Catarrh Cure.

F. J. Cheney & Co., Props., Toledo, O. We the undersigned, have known F. J. Cheney for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

West & Truax, Wholesale Druggists, Toledo, O. Wadling, Kinnam & Marvin, Wholesale Druggists, Toledo, Ohio.

Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price 75c. per bottle. Sold by all Druggists. Testimonials free.

Hall's Family Pills are the best.

There is one thing that is always an alleviation of our wrong doings, and that is to hold others responsible for them.—N. Y. Weekly.

Dis honored Drafts.

When the stomach dis honors the drafts made upon it by the rest of the system, it is necessarily because its fund of strength is very low. Toned with Hostetter's Stomach Bitters, it soon begins to pay out vigor in the shape of pure, rich blood, containing the elements of muscle, bone and brain. As a sequence of the new vigor afforded the stomach, the bowels perform their functions regularly, and the liver works like clock work. Malaria has no effect upon a system thus reinforced.

Most men do not tell their wives about their business affairs until they get stuck.—Washington Democrat.

Shake Into Your Shoes.

Allen's Foot-Ease, a powder for the feet. Cures painful, swollen, smarting feet and instantly takes the sting out of corns and bunions. Greatest comfort discovery of the age. Allen's Foot-Ease makes tight or new shoes feel easy. Is a certain cure for sweating, callous, hot, tired, aching feet. Try it to-day. Sold by all druggists and shoe stores, 25c. Trial package FREE. Address Allen S. Olmstead, Le Roy, N. Y.

The world is full of miserable people who are so by reason of trying to get more than the world gives.—N. Y. Weekly.

No-To-Bac For Fifty Cents.

Over 400,000 cured. Why not let No-To-Bac regulate or remove your desire for tobacco? Saves money, makes health and manhood. Cure guaranteed, 50c and \$1.00, all druggists.

The trimmings on the summer hats are so heavy that a woman now says she weighs so-and-so "with my hat on."

"Star Tobacco."

As you chew tobacco for pleasure, use Star. It is not only the best, but the most lasting, and therefore the cheapest.

A mechanic has a great contempt for anybody who cannot do the same bit of work as well as he does.

I am entirely cured of hemorrhage of lungs by Pisco's Cure for Consumption.—Louisa Lindaman, Bethany, Mo., Jan. 8, '94.

Most of us regret that we can't think of real mean things to say in a quarrel.—Washington Democrat.

Any kind of a bruise St. Jacobs Oil will cure at any time—no matter how bad.

Some people owe their good reputation to the loyalty of their friends.

"For 6 years had neuralgia." You haven't used St. Jacobs Oil to cure it.

The wasted mental force would do all the work in the world.—Ran's Horn.

Just try a 10c box of Cascarets candy cathartic, finest liver and bowel regulator made.

When a man gets a shave and a hair cut, he looks as good as new.—Athens Globe.

"Can't cure my rheumatism!" You can, you must use St. Jacobs Oil.

Give a boy a dog and he will have a good time.—Washington Democrat.

It may come last, but St. Jacobs Oil is the best to cure sprains. It ought to be first.

Never beat a carpet when it is down.—Up-to-Date.



GREAT deal of nonsense has been written and believed, about blood purifiers. What purifies the blood? . . .

THE KIDNEYS PURIFY THE BLOOD AND THEY ALONE.

If diseased, however, they cannot, and the blood continually becomes more impure. Every drop of blood in the body goes through the kidneys, the sewers of the system, every three minutes, night and day, while life endures.



puts the kidneys in perfect health, and nature does the rest.

The heavy, dragged out feeling, the bilious attacks, headaches, nervous unrest, fickle appetite, all caused by poisoned blood, will disappear when the kidneys properly perform their functions.

There is no doubt about this. Thousands have so testified. The theory is right, the cure is right and health follows as a natural sequence. Be self-convinced through personal proof.



PISCO'S CURE FOR GOUTS WHERE ALL ELSE FAILS. Be Sufferers. Pisco's Cure. Use in time. Sold by druggists.

CONSUMPTION

WHY SO MANY REGULAR PHYSICIANS FAIL

To Cure Female Ills—Some True Reasons Why Mrs. Pinkham is More Successful Than the Family Doctors

A woman is sick; some disease peculiar to her sex is fast developing in her system. She goes to her family physician and tells him a story, but not the whole story.

She holds something back, loses her head, becomes agitated, forgets what she wants to say, and finally conceals what she ought to have told, and thus completely mystifies the doctor.

Is it any wonder, therefore, that the doctor fails to cure the disease?

Still, we cannot blame the woman, for it is very embarrassing to detail some of the symptoms of her suffering, even to her family physician.

It was for this reason that years ago Mrs. Lydia E. Pinkham, at Lynn, Mass., determined to step in and help her sex. Having had considerable experience in treating female ills with her Vegetable Compound, she encouraged the women of America to write to her for advice in regard to their complaints, and, being a woman, it was easy for her ailing sisters to pour into her ears every detail of their suffering.

In this way she was able to do for them what the physicians were unable to do, simply because she had the proper information to work upon, and from the little group of women who sought her advice years ago a great army of her fellow-beings are to-day constantly applying for advice and relief, and the fact that more than one hundred thousand of them have been successfully treated by Mrs. Pinkham during the last year is indicative of the grand results which are produced by her unequalled experience and training.

No physician in the world has had such a training, or has such an amount of information at hand to assist in the treatment of all kinds of female ills, from the simplest local irritation to the most complicated diseases of the womb.

This, therefore, is the reason why Mrs. Pinkham, in her laboratory at Lynn, Mass., is able to do more for the ailing women of America than the family physician. Any woman, therefore, is responsible for her own suffering who will not take the trouble to write to Mrs. Pinkham for advice.

The testimonials which we are constantly publishing from grateful women establish beyond a doubt the power of Lydia E. Pinkham's Vegetable Compound to conquer female diseases.



MILLIONS NOW USE PEARLINE

REASONS FOR USING

Walter Baker & Co.'s Breakfast Cocoa.

1. Because it is absolutely pure.
2. Because it is not made by the so-called Dutch Process in which chemicals are used.
3. Because beans of the finest quality are used.
4. Because it is made by a method which preserves unimpaired the exquisite natural flavor and odor of the beans.
5. Because it is the most economical, costing less than one cent a cup.

Be sure that you get the genuine article made by WALTER BAKER & CO. LTD., Dorchester, Mass. Established 1780.

INDIAN BICYCLE CO., Indianapolis, Ind.

The **Marverles** Bicycle

\$100 A marvelous example of skillful workmanship—The only bicycle with absolutely true bearings.

\$60 Saving in cost of machinery and labor enables us to furnish '96 patterns of Waverles, improved and perfected, for \$60.

Catalogue free from us or the dealer.

INDIAN BICYCLE CO., Indianapolis, Ind.



The Man who is Raising a Big Crop

—realizes that the harvest time is ahead. Ideal farming comprehends not only the growing of the tallest grain—the most tons-to-the-acre of hay; the best farming—the farming that pays—must contemplate something more than this for there is a harvest time, and just in proportion as a crop is saved successfully, speedily and economically, in just that proportion may be measured the season's profit or loss.

McCORMICK

Harvesting Machines are the profit-bringing kind; they are built for long wear, hard work, light draft, and in short, to satisfy. There are other kinds that don't cost as much, but there's nothing cheaper than the best.

McCormick Harvesting Machine Company, Chicago, The Light-Running McCormick Open Elevator Harvester, The Light-Running McCormick New 4 Steel Mower, The Light-Running McCormick Vertical Corn Binder and The Light-Running McCormick Daisy Reaper for sale everywhere.

CANDY CATHARTIC

Cascarets

CURE CONSTIPATION

REGULATE THE LIVER

ALL DRUGGISTS

ABSOLUTELY GUARANTEED to cure any case of constipation. Cascarets are the ideal Laxative, never grip or scribe, but cause easy natural results. Sample and booklet free. Ad. STERLING REMEDY CO., Chicago, Montreal, Can., or New York.